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Date of Deposit May 8, 2006

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PATENT

Shayor E. Dunn

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Allison, et al.

Group Art Unit: 2154

Serial No.: 10/044,203

Examiner: Hu, Jinsong

Filed: January 10, 2002

Docket No.: 1322/84

Confirmation No.: 9749

For: METHODS AND SYSTEMS FOR PROVIDING MOBILE LOCATION
MANAGEMENT SERVICES IN A NETWORK ROUTING NODE

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

We, Peter J. Marsico and Rick L. Allison, being the sole inventors of the invention claimed in the above-referenced U.S. patent application, declare as follows:

1. We conceived of the invention claimed in the above-referenced patent application of receiving signaling messages transmitted between HLR and a VLR, extracting mobile subscriber information from the signaling messages, caching the mobile subscriber information, and using the cached information in processing and routing of subsequent signaling messages transmitted by the HLR or the VLR relating to the mobile subscriber, where the steps occur in a routing node separate from the HLR and the VLR and located in a

- communication path between an HLR and a VLR, at least as early as June 14, 2001.
2. As evidence of our conception of the invention at least as early as June 14, 2001, we have attached an invoice and time records from Marsicorp, Inc. indicating time spent working on a patent application entitled, "Methods and Systems for Providing Gateway Location Register Functionality in a Network Routing Node (GLR)."
 3. The time records for Marsicorp, Inc., are for time spent by Pete Marsico in his capacity as a contractor for the assignee of the present application in preparing the draft patent application.
 4. As indicated in the time records, the draft patent application was begun on June 14, 2001.
 5. The draft patent application referred to in the time records eventually became the patent application that was filed on January 10, 2002.
 6. As further evidence of conception of the invention at least as early as June 14, 2001, we attach our attorney's time records. In the time records, the entry dated June 28, 2001 indicates that a site conference regarding the GLR occurred with Pete Marsico on that date.
 7. "GLR" refers to "gateway location register," which was a name used by the inventors to refer to the above-referenced patent application.
 8. We were duly diligent in constructively reducing the invention to practice from June 2001 until the filing of a patent application on January 10, 2002. As evidence of our due diligence between June 2001 and January 2002, we refer to

the following attachments which show that we and our attorney, Gregory A. Hunt, reviewed and revised drafts of the patent application from June 2001 until January 2002 when the application was filed:

- (a) email, invoice, and time records dated June 27, 2001 from Marsicorp, Inc. indicating time entries in June 2001 for preparing a draft of the patent application;
- (b) email, invoice, and time records from Marsicorp, Inc. dated August 18, 2001 indicating time spent in preparing the draft patent application in July and August of 2001;
- (c) time records from Jenkins, Wilson, Taylor, & Hunt, P.A. indicating time spent in reviewing, revising, and filing the patent application from June 2001 until January 10, 2002;
- (d) computer screen shot showing modification of patent application by Microsoft Word document reviewer named "Peter&Ellie" on August 12, 2001, where Pete Marsico made edits using the name "Pete&Ellie";
- (e) screen shot from WinZip file ApplicationSpec_Tekelec_GLR.zip indicating a modification date of drafts of the patent application of 10/25/2001; and
- (f) email correspondence in Fall of 2001 and January of 2002 between Pete Marsico, Greg Hunt, and Rick Allison regarding drafts of the patent application.

We hereby declare that all statements herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

Serial No.: 10/044,203

the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Peter J. Marsico

4/10/06

Date

Rick L. Allison

Date

Enclosures:

Correspondence and Time Records Regarding Preparation and Filing of Patent Application

Serial No.: 10/044,203

the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Peter J. Marsico

Date

Rick L. Allison

Date

4/28/06

Enclosures:

Correspondence and Time Records Regarding Preparation and Filing of Patent Application

04/04/06
10:00 AM

JENKINS, WILSON, TAYLOR & HUNT, P.A.
Slip Listing

Page 1

Selection Criteria

Slip Classification Open
Client (hand select) Include: 1322/84

Rate Info - identifies rate source and level

Slip ID	Dates and Time	Posting Status	Description	Attorney Work Client Reference	Units DNB Time Est. Time Variance	Rate Rate Info Bill Status	Slip Value
29129	TIME			GAH	0.30		
	06/28/01			P260	0.00	T@1	
	Billed	G:28826	06/30/01	1322/84	0.00		
			Site conference with Pete Marsico re GLR		0.00		
29301	EXP			GAH	1		
	07/10/01			Expense			
	Billed	G:29573	07/31/01	1322/84			
			Patent specialist fees and firm administrative charges				
31415	EXP			GAH	1		
	08/23/01			Expense			
	Billed	G:30450	08/31/01	1322/84			
			Patent specialist fees and firm administrative charges				
35369	TIME			GAH	0.30		
	11/16/01			P260	0.00	T@1	
	Billed	G:33252	11/26/01	1322/84	0.00		
			Review GLR patent application		0.00		
35393	TIME			GAH	1.50		
	11/19/01			P260	0.00	T@1	
	Billed	G:33252	11/26/01	1322/84	0.00		
			Review and revise GLR patent application		0.00		
35545	TIME			GAH	1.10		
	11/24/01			P260	0.00	T@1	
	Billed	G:33252	11/26/01	1322/84	0.00		
			Review and revise draft patent application		0.00		
35548	TIME			GAH	5.60		
	11/25/01			P260	0.00	T@1	
	Billed	G:33252	11/26/01	1322/84	0.00		
			Review and revise draft patent application		0.00		
35567	TIME			GAH	1.00		
	11/26/01			P260	0.00	T@1	
	Billed	G:33252	11/26/01	1322/84	0.00		
			Review and revise draft patent application		0.00		

04/04/06
10:00 AM

JENKINS, WILSON, TAYLOR & HUNT, P.A.
Slip Listing

Page 2

Slip ID	Dates and Time	Attorney Work	Units	Rate	Slip Value
	Posting Status	Client	DNB Time	Rate Info	
	Description	Reference	Est. Time	Bill Status	
			Variance		
35957	TIME	GAH	3.40		
	11/29/01	P260	0.00	T@1	
	Billed	G:34117 12/31/01	0.00		
	Review and revise draft patent application	1322/84	0.00		
35992	TIME	GAH	1.70		
	11/30/01	P260	0.00	T@1	
	Billed	G:34117 12/31/01	0.00		
	Revise draft patent application	1322/84	0.00		
36399	TIME	GAH	0.80		
	12/14/01	P260	0.00	T@1	
	Billed	G:34117 12/31/01	0.00		
	Review and revise GLR patent application	1322/84	0.00		
36436	TIME	GAH	2.30		
	12/17/01	P260	0.00	T@1	
	Billed	G:34117 12/31/01	0.00		
	Review and revise A-port patent application	1322/84	0.00		
36507	TIME	GAH	1.00		
	12/18/01	P260	0.00	T@1	
	Billed	G:34117 12/31/01	0.00		
	Revise draft patent application	1322/84	0.00		
36567	TIME	GAH	0.40		
	12/19/01	P260	0.00	T@1	
	Billed	G:34117 12/31/01	0.00		
	Review and revise GLR patent application	1322/84	0.00		
37350	TIME	GAH	3.00		
	01/09/02	P260	0.00	T@1	
	Billed	G:34810 01/31/02	0.00		
	Incorporate inventor comments into final draft GLR patent application; revise claims; correspond with Pete Marsico and Rick Allison re same	1322/84	0.00		
37417	TIME	GAH	0.20		
	01/10/02	P260	0.00	T@1	
	Billed	G:34810 01/31/02	0.00		
	File patent application and Information Disclosure Statement in U.S. Patent and Trademark Office	1322/84	0.00		
37856	EXP	GAH	1	1	
	01/10/02	Expense			
	Billed	G:34810 01/31/02			
	U.S. Patent and Trademark Office Fee	1322/84			

Subject: Tekelec - Gateway Location Register: June Invoice / Timesheet
Date: Wed, 27 Jun 2001 23:32:25 -0400
From: "Pete" <marsicop@bellsouth.net>
To: "Greg Hunt" <ghunt@jenkinsandwilson.com>

Hey Greg,


Sorry I missed your call this evening, ... at the gym taking a break.

At any rate, ... I'll see you @ 10am tomorrow for the End Office Support mtg.

Am attaching an Invoice / Timesheet for the "Gateway Location Register" application ... still in progress (have been working with Rick on this one as well), ... will talk to you about it tomorrow, if you like.

See you tomorrow.

Pete

 J&W_Invoice_GLR_1.doc	Name: J&W_Invoice_GLR_1.doc Type: WINWORD File (application/msword) Encoding: base64
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Invoice For Marsicorp, Inc. Services

EIN: 56-2148277

Invoice Date: 6/27/01

Billing Address: *Marsicorp, Inc.*
201 Westbrook Dr.
D15
Carrboro, NC 27510

<i>Date</i>	<i>Activity</i>	<i>Hours</i>
6/14/01 – 6/26/01	Tekelec Patent Application <i>1322-?? Methods And Systems For Providing Gateway Location Register Functionality At A Network Routing Node (GLR)</i>	34.20 hrs @ \$75/hr

Total Due:

Tekelec - GLR
Docket #: 1322-

Date	Start Time	End Time	Hours
6/14/01	6 36 am	8 30 am	
	9 42 am	11 18 pm	
	9 12 pm	10 6 pm	
	10 24 pm	11 42 pm	5 . 42
6/15/01	6 24 am	7 30 am	
	7 24 pm	9 18 pm	
	10 12 pm	11 24 pm	4 . 12
6/19/01	6 48 pm	9 12 pm	
	9 42 pm	10 54 pm	3 . 36
6/20/01	6 18 pm	8 24 pm	
	9 30 pm	11 36 pm	4 . 12
6/22/01	6 12 am	9 42 am	
	9 54 am	10 36 am	
	4 0 pm	5 54 pm	
	6 24 pm	7 36 pm	7 . 18
6/24/01	6 24 am	7 36 am	
	5 42 pm	6 24 pm	
	6 42 pm	7 0 pm	
	9 18 pm	11 48 pm	4 . 42
6/26/01	6 36 pm	9 48 pm	
	10 12 pm	11 30 pm	4 . 30

Total:

34.20


Subject: Invoice & Timesheet: Tekelec GLR Application
Date: Sat, 18 Aug 2001 12:20:28 -0400
From: "Pete" <marsicop@bellsouth.net>
To: "Greg Hunt" <ghunt@jenkinsandwilson.com>

Greg,

Attached is another invoice and timesheet for the "Gateway Location Register" application that I have been working on for the past month or so.

It is essentially complete and should be reviewed by the appropriate inventors / reviewers at Tekelec within a week or so. I'll pass the reviewed / commented draft on to you ASAP.

Thanks,
Pete

 <u>J&W Invoice GLR 2.doc</u>	Name: J&W_Invoice_GLR_2.doc Type: WINWORD File (application/msword) Encoding: base64
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Invoice For Marsicorp, Inc. Services

EIN: 56-2148277

Invoice Date: 8/18/01

Billing Address: *Marsicorp, Inc.*
201 Westbrook Dr.
D15
Carrboro, NC 27510

<i>Date</i>	<i>Activity</i>	<i>Hours</i>
6/28/01 – 8/13/01	Tekelec Patent Application <i>1322-?? Methods And Systems For Providing Gateway Location Register Functionality At A Network Routing Node (GLR)</i>	49.57 hrs

Total Due:

Tekelec -GLR
Docket #: 1322-

Date	Start Time	End Time	
6/28/01	6 36 am	8 30 am	
	9 12 pm	9 42 pm	
	10 0 pm	11 18 pm	3 . 42
7/2/01	6 24 am	7 26 am	
	6 18 pm	8 18 pm	
	9 12 pm	10 30 pm	4 . 20
7/24/01	5 48 pm	7 54 pm	
	9 30 pm	10 42 pm	3 . 18
7/25/01	6 0 pm	7 30 pm	
	9 30 pm	11 12 pm	3 . 12
7/28/01	6 30 am	9 24 am	
	9 48 am	10 36 am	
	5 0 pm	6 12 pm	
	6 42 pm	7 54 pm	6 . 6
7/29/01	6 18 am	6 42 am	
	7 12 am	11 30 am	
	3 0 pm	5 48 pm	
	8 24 pm	8 42 pm	
	9 12 pm	10 0 pm	8 . 36
7/30/01	6 24 pm	8 42 pm	
	9 18 pm	10 48 pm	3 . 48
8/1/01	7 0 pm	7 26 pm	
	8 18 pm	9 18 pm	
	10 12 pm	11 30 pm	2 . 44
8/2/01	8 12 pm	9 30 pm	
	10 6 pm	11 48 pm	3 . 0
8/5/01	6 30 am	7 42 am	
	8 12 am	11 24 am	
	7 0 pm	7 48 pm	
	8 24 pm	8 36 pm	
	9 6 pm	10 0 pm	6 . 18
8/13/01	6 36 pm	9 48 pm	
	10 12 pm	11 30 pm	4 . 30

Total:

49.57

5



Inserted

MMR node **300**. . . In such a case For example, an MMR node of the present invention may be adapted to modify the contents of a received message so as to reflect a pseudo VLR identifier, MSC identifier, or HLR identifier that has been previously assigned to the MMR node. . . In such a case, subsequent communications from the mobile subscriber's HLR will be explicitly directed to the MMR node **300**. . . In an alternate embodiment, the serving VLR and serving MSC parameters need not be modified. . . In such a case, MMR node **300** is adapted to transparently intercept and examine all mobility management type signaling messages entering the visited network from a

WinZip - ApplicationSpec_Tekelec_GLIP.zip

File Actions Options Help



New



Open



Favorites



Add



Extract



View



CheckOut



Wizard

Name	Modified	Size	Ratio	Packed	Path
ApplicationSpec_...	10/25/2001 12:0...	127,488	77%	29,668	
ApplicationFigs_...	10/25/2001 12:0...	841,728	87%	113,547	

ZIP Properties

Path: I:\Tekelec\1322-84

Name: ApplicationSpec_Tekelec_G

File size: 143,513

Files: 2

Compression: 85%

Date/time: 11/16/2001 6:08 PM

OK

Selected 0 files, 0 bytes

Total

start



0-Special Inte

Subject: GLR patent application

Date: Mon, 26 Nov 2001 08:38:16 -0500

From: Greg Hunt <ghunt@jenkinsandwilson.com>

To: Peter Marsico <peter.marsico@tekelec.com>, Rick Allison <rick.allison@tekelec.com>

Pete and Rick,

Hope you guys had a happy Thanksgiving. I gave thanks for Carolina's 0 and 2 start.

The GLR patent application looks good. I will email you my changes today or tomorrow and try to file on Wednesday.

Best regards,

Greg

Greg Hunt
Jenkins & Wilson, P.A.
Patent Attorneys
University Tower, Suite 1400
3100 Tower Boulevard
Durham, North Carolina 27707

Phone: 919-493-8000
Fax: 919-419-0383
Website: jenkinsandwilson.com
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Subject: GLR Application
Date: Tue, 8 Jan 2002 17:09:11 -0500
From: "Peter Marsico" <peter.marsico@tekelec.com>
To: Greg Hunt <ghunt@jenkinsandwilson.com>
CC: marsicop@bellsouth.net

Rick Allison
01/08/2002 04:45 PM

To: Peter Marsico/Raleigh/TEKELEC@TEKELEC
CC:
Subject: Re: GLR Application (Document link not converted)

Attached is the GLR application with my comments. Please look at the added stuff starting on Line 10, Page 32 - I think this may need some massaging or more fleshing out, but I'll let you make the call.


Thanks,
Rick

(See attached file: GLR Patent App Draft.doc)

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Peter J. Marsico

AVP, Patent Engineering
(919) 380-3814

 <u>GLR Patent App Draft.doc</u>	Name: GLR Patent App Draft.doc Type: WINWORD File (application/msword) Encoding: base64 Description: Mac Word 3.0
---	--

Subject: GLR patent application

Date: Wed, 09 Jan 2002 09:24:16 -0500

From: Greg Hunt <ghunt@jenkinsandwilson.com>

To: peter.marsico@tekelec.com

Pete,

Can you please re-send me Rick's comments to the patent application. I reviewed and incorporated his changes into the final draft, but I accidentally deleted the marked-up copy. I just want to be sure all of the changes are covered by the claims.

Thanks,

Greg

Greg Hunt
Jenkins & Wilson, P.A.
Patent Attorneys
University Tower, Suite 1400
3100 Tower Boulevard
Durham, North Carolina 27707

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Email: ghunt@jenkinsandwilson.com

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